



11-23-05

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PATENT
Docket No. 134.01900101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

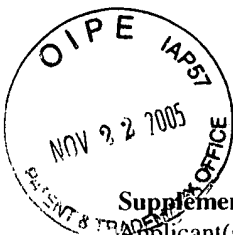
Applicant(s):	BENZ et al.)	Group Art Unit:	1712
)		
Serial No.:	10/663,925)	Examiner:	Kuo Liang Peng
)		
Confirmation No.:	2297)		
)		
Filed:	September 16, 2003)		
)		
For:	<u>POLYMERS WITH SOFT SEGMENTS CONTAINING SILANE-CONTAINING GROUPS, MEDICAL DEVICES, AND METHODS</u>			

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the continuing duty of candor and good faith that is to be demonstrated before the United States Patent and Trademark Office (USPTO), enclosed herewith are copies of documents, which are not already of record in the present matter, which Applicants bring to the Examiner's attention as possibly being of interest in connection with the above-identified patent application. Also enclosed for the Examiner's information is a copy of a Written Opinion, an International Preliminary Examination Report, and an International Search Report from related foreign application PCT/US03/29151. Also enclosed are copies of the International Search Reports from foreign applications PCT/US03/29152, PCT/US03/29153, and PCT/US02/36332. Per M.P.E.P. §609, the information cited in the present Supplemental Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 forms is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 forms, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.



Supplemental Information Disclosure Statement

Page 2 of 2

Applicant(s): Benz et al.

Serial No.: 10/663,925

Confirmation No.: 2297

Filed: September 16, 2003

For: POLYMERS WITH SOFT SEGMENTS CONTAINING SILANE-CONTAINING GROUPS, MEDICAL DEVICES, AND METHODS

It is believed that no fee is due, as this Supplemental Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

When the Examiner takes up the present application, consideration of these documents is respectfully requested. The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

CERTIFICATE UNDER 37 C.F.R. 1.10:

The undersigned hereby certifies that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated below and is addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: Deb Schurmann
"Express Mail" mailing label number:
EV 201893628 US
Date of Deposit: Nov. 22, 2005

Nov. 22, 2005
Date

Respectfully submitted for
BENZ et al.

By
Muetting, Raasch & Gebhardt, P.A.
P.O. Box 581415
Minneapolis, MN 55458-1415
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By: Ann M. Muetting
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Benz et al.

Group Art Unit: 1712

Serial No.: 10/663,925

Examiner: Kuo Liang Peng

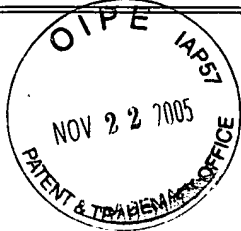
Filed: September 16, 2003

Docket No.: 134.01900101

Confirmation No.: 2297

Title: **POLYMERS WITH SOFT SEGMENTS CONTAINING SILANE-CONTAINING GROUPS, MEDICAL DEVICES, AND METHODS**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ An itemized return postcard.
- ☐ A Petition for Extension of Time for ___ month(s) and a check in the amount of \$___ for the required fee.
- ☒ An Information Disclosure Statement (2 pgs); 1449 form (4 pgs); copies of 24 documents cited on the 1449 forms; copies of a Written Opinion (5 pgs), an International Preliminary Examination Report (12 pgs) and an International Search Report (4 pgs) from related foreign application PCT/US03/29151; copies of the International Search Reports from foreign application PCT/US03/29152 (4 pgs); PCT/US03/29153 (4 pgs), and PCT/US02/36332 (4pgs).
- ☐ A request for continued examination (RCE) and a check in the amount of \$___, for the required filing fee.
- ☐ A check in the amount of \$___, for ___.
- ☐ A certified copy of a ___ application, Serial No. __, filed _____, the right of priority of which is claimed under 35 U.S.C. §119.
- ☐ Other: _____
- ☐ Amendment ___ No Additional fee is required. ___ The fee has been calculated as shown:

Fee Calculation for Claims Pending After Amendment					
	Pending Claims after Amendment (1)	Claims Paid for Earlier (2)	Number of Additional Claims (1-2)	Cost per Additional Claim	Additional Fees Required
Total Claims				x \$50 =	
Independent Claims				x \$200 =	
One or More New Multiple Dependent Claims Presented? If Yes, Add \$360 Here →					
Total Additional Claim Fees Required					

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

MUETING, RAASCH & GEBHARDT, P.A.
Customer Number: 26813

By:
Name: Ann M. Muetting
Reg. No.: 33,977
Direct Dial: 612-305-1217
Facsimile: 612-305-1228

CERTIFICATE UNDER 37 CFR §1.10::

"Express Mail" mailing label number: EV 201893628 US

Date of Deposit: November 22, 2005

I hereby certify that the Transmittal Letter and the paper(s) and/or fee(s), as described hereinabove, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By:
Name: Deb Schurmann

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.10)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Benz et al.

Group Art Unit: 1712

Serial No.: 10/663,925

Examiner: Kuo Liang Peng

Filed: September 16, 2003

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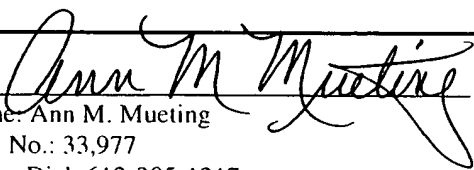
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MUETING, RAASCH & GEBHARDT, P.A.
Customer Number: 26813

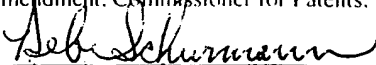
By: 
Name: Ann M. Muetting
Reg. No.: 33,977
Direct Dial: 612-305-1217
Facsimile: 612-305-1228

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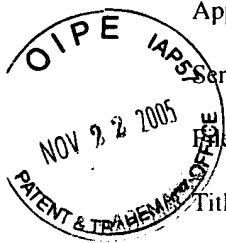
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MUETING, RAASCH & GEBHARDT, P.A.
Customer Number: 26813

By:
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Facsimile: 612-305-1228

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By:
Name: Deb Schurmann

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.10)



INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 134.01900101 (P-10908.00)	Serial No.: 10/663,925
	Applicant(s): BENZ et al.	Confirmation No.: 2297
	Application Filing Date: Sept. 16, 2003	Group: 1712
	Information Disclosure Statement mailed: November <u>22</u> , 2005	

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
		3,948,829	04/06/76	Babayan			
		4,208,506	06/17/80	Deichert et al.			
		4,276,394	06/30/81	Kennedy et al.			
		4,316,973	02/23/82	Kennedy et al.			
		4,568,732	02/04/86	Kennedy et al.			
		4,746,715	05/24/88	Dworczak et al.			
		4,946,899	08/07/90	Kennedy et al.			
		5,073,381	12/17/91	Ivan et al.			
		5,110,885	05/05/92	Wagener et al.			
		5,290,895	03/01/94	Wagener et al.			
		5,340,881	08/23/94	Kennedy et al.			
		5,476,509	12/19/95	Keogh et al.			
		5,741,331	04/21/98	Pinchuk			
		6,102,939	08/15/00	Pinchuk			
		6,197,240	03/06/01	Pinchuk			
		2004-0054210 A1	03/18/04	Benz et al.			
		2004-0054080 A1	03/18/04	Benz et al			

EXAMINER	Date Considered
<small>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>	

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FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	X	EP 0 821 973	04/02/98	Europe				
	X	EP 0 953 622	11/03/99	Europe				
	X	GB 2111067	06/29/83	Great Britain				
	X	WO 91/11468	08/08/91	PCT				
	X	WO 97/00293	01/03/97	PCT				
	X	WO 97/02305	01/23/97	PCT				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
	X	Bielawski et al., "Highly Efficient Syntheses of Acetoxy- and Hydroxy-Terminated Telechelic Poly(butadiene)s Using Ruthenium Catalysts Containing <i>N</i> -heterocyclic Ligands," <i>Polymer</i> , 2001;42:4939-4945.
	X	Blackwell et al., "New Approaches to Olefin Cross-Metathesis," <i>J. Am. Chem. Soc.</i> , 2000;122:58-71.
	X	Gibson et al., "Synthesis of End-Functionalized Polynorbornenes and Polynorbornanes via Metathesis: Novel Macromonomers for Polycondensation Reactions," <i>Macromolecules</i> , 2000;33:655-656.
	X	Hillmyer et al., "Preparation of Hydroxytelechelic Poly(butadiene) via Ring-Opening Metathesis Polymerization Employing a Well-Defined Metathesis Catalyst," <i>Macromolecules</i> , 1993;26:872-874.
	X	Hillmyer et al., "Utility of a Ruthenium Metathesis Catalyst for the Preparation of End-Functionalized Polybutadiene," <i>Macromolecules</i> , 1997;30:718.

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	X	Ishigure et al., "Nuclear Magnetic Resonance Spectra of Isobutylene-Chlorotrifluoroethylene Copolymer. II. Interpretation of Fluorine Resonances in Terms of Tetrads and Their Temperature Dependence," <i>Polym. J.</i> , 1971;2(3):321-327.
	X	Kennedy et al., "Designed Polymers by Carbocationic Macromolecular Engineering: Theory and Practice," Hanser Publishers, 1992, pp. 191-193.
	X	Marmo et al., "Acyclic Diene Metathesis (ADMET) Depolymerization. Synthesis of Mass-Exact Telechelic Polybutadiene Oligomers," <i>Macromolecules</i> , 1993;26:2137-2138.
	X	Marmo et al., "ADMET Depolymerization. Synthesis of Perfectly Difunctional ($f=2.0$) Telechelic Polybutadiene Oligomers," <i>Macromolecules</i> , 1995;28:2602-2606.
	X	Maughon et al., "Synthesis of Cross-Linkable Telechelic Poly(butenylene)s Derived from Ring-Opening Metathesis Polymerization," <i>Macromolecules</i> , 2000;33:1929-1935.
	X	Odian, "Principles of Polymerization," McGraw-Hill Book Company, New York, NY, 1970, title page, copyright page, and table of contents only (14 pgs. total).
	X	Odian, "Principles of Polymerization," third ed.; John Wiley & Sons, Inc., New York, NY, title page and pages 701-705.
	X	Shaffer et al., "Metallocene-Catalyzed Copolymerization of Ethylene and Isobutylene to Substantially Alternating Copolymers," <i>Macromolecules</i> , 1998;31:5145-5147.
	X	Smith et al., "Precisely Controlled Methyl Branching in Polyethylene via Acyclic Diene Metathesis (ADMET) Polymerization," <i>Macromolecules</i> , 2000;33:3781-3794.
	X	Speckhard et al., "Ultimate Tensile Properties of Segmented Polyurethane Elastomers: Factors Leading to Reduced Properties for Polyurethanes Based on Nonpolar Soft Segments," <i>Rubber Chem. Technol.</i> , 1986;59:405-431.

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	X	Speckhard et al., "Properties of Polyisobutylene Polyurethane Block Copolymers: 2. Macroglycols Produced by the 'inifer' Technique," <i>Polymer</i> , 1985;26:55-69.
	X	Speckhard et al., "Properties of Polyisobutylene Polyurethane Block Copolymers: 3. Hard Segments Based on 4,4'-Dicyclohexylmethane Diisocyanate (H ₁₂ MDI) and Butane Diol," <i>Polymer</i> , 1985;26:70-78.
	X	Wu et al., "Preparation of Alternating Copolymers from the Ring-Opening Metathesis Polymerization of 3-Methylcyclobutene and 3,3-Dimethylcyclobutene," <i>Macromolecules</i> , 1995;28:3502-3508.

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